

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2005/050300

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D471/04 A61K31/437 A61P1/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, BEILSTEIN Data, BIOSIS, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4 358 454 A (BRISTOL JAMES A ET AL) 9 November 1982 (1982-11-09) cited in the application Claims, examples, esp. claims 4 and 5	1-11
Y	WO 99/55705 A (DAHLSTROEM MIKAEL ; AMIN KOSRAT (SE); ASTRA AB (SE); NORDBERG PETER (S) 4 November 1999 (1999-11-04) Claims, examples	1-11
Y	WO 99/55706 A (AMIN KOSRAT ; ASTRA AB (SE); NORDBERG PETER (SE); STARKE INGEMAR (SE);) 4 November 1999 (1999-11-04) Claims, examples	1-11
	----- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *Z* document member of the same patent family

Date of the actual completion of the international search

13 May 2005

Date of mailing of the international search report

22/07/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Stroeter, T

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2005/050300

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 00/11000 A (DAHLSTROEM MIKAEL ; AMIN KOSRAT (SE); ASTRA AB (SE); NORDBERG PETER (S) 2 March 2000 (2000-03-02) Claims, examples -----	1-11
Y	WO 03/018582 A (DAHLSTROEM MIKAEL ; AMIN KOSRAT (SE); ASTRAZENECA AB (SE); NORDBERG PE) 6 March 2003 (2003-03-06) Claims, examples -----	1-11
A	WO 01/17999 A (HOFFMANN LA ROCHE) 15 March 2001 (2001-03-15) the whole document -----	1-11

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2005/050300

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
Although claim 11 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/050300

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4358454	A	09-11-1982	NONE
WO 9955705	A	04-11-1999	AU 769108 B2 15-01-2004
		AU 4300699 A 16-11-1999	
		AU 769190 B2 22-01-2004	
		AU 4300799 A 16-11-1999	
		BR 9909995 A 26-12-2000	
		BR 9909996 A 26-12-2000	
		CA 2329921 A1 04-11-1999	
		CA 2329922 A1 04-11-1999	
		CN 1306533 A ,C 01-08-2001	
		CN 1307577 A ,C 08-08-2001	
		CZ 20003981 A3 14-03-2001	
		CZ 20003982 A3 14-02-2001	
		EE 200000626 A 15-04-2002	
		EE 200000664 A 15-04-2002	
		EP 1491542 A2 29-12-2004	
		EP 1491543 A1 29-12-2004	
		EP 1073656 A1 07-02-2001	
		EP 1073657 A1 07-02-2001	
		HU 0102313 A2 28-12-2001	
		HU 0102425 A2 28-11-2001	
		ID 27530 A 12-04-2001	
		ID 26819 A 15-02-2001	
		JP 2002513024 T 08-05-2002	
		JP 2002513025 T 08-05-2002	
		NO 20005450 A 22-12-2000	
		NO 20005451 A 27-12-2000	
		NZ 507638 A 31-10-2003	
		NZ 507639 A 30-01-2004	
		PL 343797 A1 10-09-2001	
		PL 343801 A1 10-09-2001	
		RU 2238271 C2 20-10-2004	
		RU 2235725 C2 10-09-2004	
		WO 9955705 A1 04-11-1999	
		WO 9955706 A1 04-11-1999	
		SK 14912000 A3 11-06-2001	
		SK 14922000 A3 11-06-2001	
		TR 200003149 T2 21-03-2001	
		TR 200003176 T2 21-03-2001	
		TR 200102612 T2 21-06-2002	
		TR 200102728 T2 21-06-2002	
		TW 490466 B 11-06-2002	
		UA 67769 C2 15-05-2002	
		UA 66846 C2 15-05-2002	
		US 6313136 B1 06-11-2001	
		US 6313137 B1 06-11-2001	
		ZA 200005796 A 18-01-2002	
		ZA 200005797 A 18-01-2002	
WO 9955706	A	04-11-1999	AU 769108 B2 15-01-2004
		AU 4300699 A 16-11-1999	
		AU 769190 B2 22-01-2004	
		AU 4300799 A 16-11-1999	
		BR 9909995 A 26-12-2000	
		BR 9909996 A 26-12-2000	
		CA 2329921 A1 04-11-1999	
		CA 2329922 A1 04-11-1999	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/050300

Patent document cited in search report		Publication date	Patent family member(s)	Publication date			
WO 9955706	A		CN 1306533 A ,C	01-08-2001			
			CN 1307577 A ,C	08-08-2001			
			CZ 20003981 A3	14-03-2001			
			CZ 20003982 A3	14-02-2001			
			EE 200000626 A	15-04-2002			
			EE 200000664 A	15-04-2002			
			EP 1491542 A2	29-12-2004			
			EP 1491543 A1	29-12-2004			
			EP 1073656 A1	07-02-2001			
			EP 1073657 A1	07-02-2001			
			HU 0102313 A2	28-12-2001			
			HU 0102425 A2	28-11-2001			
			ID 27530 A	12-04-2001			
			ID 26819 A	15-02-2001			
			JP 2002513024 T	08-05-2002			
			JP 2002513025 T	08-05-2002			
			NO 20005450 A	22-12-2000			
			NO 20005451 A	27-12-2000			
			NZ 507638 A	31-10-2003			
			NZ 507639 A	30-01-2004			
			PL 343797 A1	10-09-2001			
			PL 343801 A1	10-09-2001			
			RU 2238271 C2	20-10-2004			
			RU 2235725 C2	10-09-2004			
			WO 9955705 A1	04-11-1999			
			WO 9955706 A1	04-11-1999			
			SK 14912000 A3	11-06-2001			
			SK 14922000 A3	11-06-2001			
			TR 200003149 T2	21-03-2001			
			TR 200003176 T2	21-03-2001			
			TR 200102612 T2	21-06-2002			
			TR 200102728 T2	21-06-2002			
			TW 490466 B	11-06-2002			
			UA 67769 C2	15-05-2002			
			UA 66846 C2	15-05-2002			
			US 6313136 B1	06-11-2001			
			US 6313137 B1	06-11-2001			
			ZA 200005796 A	18-01-2002			
			ZA 200005797 A	18-01-2002			
		WO 0011000	A	02-03-2000	AT 280768 T	15-11-2004	
					AU 5767999 A	14-03-2000	
					BR 9913103 A	08-05-2001	
CA 2339286 A1	02-03-2000						
CN 1329613 A	02-01-2002						
DE 69921483 D1	02-12-2004						
EP 1411056 A2	21-04-2004						
EP 1105391 A2	13-06-2001						
JP 2002523415 T	30-07-2002						
NO 20010860 A	23-04-2001						
WO 0011000 A2	02-03-2000						
SI 1105391 T1	28-02-2005						
US 6579884 B1	17-06-2003						
US 2003220364 A1	27-11-2003						
ZA 200100913 A	02-05-2002						
WO 03018582	A				06-03-2003	BR 0211846 A	08-09-2004
						CA 2456350 A1	06-03-2003

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/050300

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 03018582 A		CN 1543464 A	03-11-2004
		EP 1421083 A1	26-05-2004
		HU 0401350 A2	28-12-2004
		JP 2005501870 T	20-01-2005
		MX PA04001402 A	27-05-2004
		WO 03018582 A1	06-03-2003
		US 2004220209 A1	04-11-2004
WO 0117999 A	15-03-2001	AU 7511000 A	10-04-2001
		BR 0013792 A	14-05-2002
		CA 2383998 A1	15-03-2001
		CN 1379777 A	13-11-2002
		CZ 20021220 A3	16-10-2002
		WO 0117999 A2	15-03-2001
		EP 1214322 A2	19-06-2002
		HR 20020172 A2	31-10-2003
		HU 0203316 A2	28-01-2003
		JP 2003528811 T	30-09-2003
		MX PA02001748 A	06-08-2002
		NO 20021077 A	05-03-2002
		PL 354240 A1	29-12-2003
		TR 200200579 T2	23-12-2002
		US 6355653 B1	12-03-2002
		ZA 200201055 A	06-05-2003